



IFED 3753

PATENT APPLICATION

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Taketoshi TOYAMA et al.  
Title : AQUEOUS ALUMINUM BRAZING COMPOSITION, ALUMINUM  
MATERIAL COATED WITH THE BRAZING COMPOSITION,  
BRAZING METHOD USING THE ALUMINUM MATERIAL, AND  
AUTOMOTIVE HEAT EXCHANGER MANUFACTURED BY USING THE  
BRAZING METHOD

Serial No. : 10/517 291 Group: 3753  
Confirmation No.: 4471  
Filed : September 9, 2005 Examiner: Unknown  
International Application No.: PCT/JP2003/07604  
International Filing Date : June 16, 2003  
Atty. Docket No.: Fukuda 47

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FIRST CLASS MAILING CERTIFICATE

Sir:

I hereby certify that this correspondence is being deposited  
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Terryence F. Chapman

TFC/alh

FLYNN, THIEL, BOUTELL	Dale H. Thiel	Reg. No. 24 323
& TANIS, P.C.	David G. Boutell	Reg. No. 25 072
2026 Rambling Road	Ronald J. Tanis	Reg. No. 22 724
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	Brian R. Tumm	Reg. No. 36 328
	Steven R. Thiel	Reg. No. 53 685
	Donald J. Wallace	Reg. No. 43 977
	Kevin L. Pontius	Reg. No. 37 512
	Sidney B. Williams, Jr.	Reg. No. 24 949

Correspondence: Request for Corrected Filing Receipt with  
enclosures listed thereon

190.05/05



PATENT APPLICATION  
IN THE U.S. PATENT AND TRADEMARK OFFICE

February 24, 2006

Applicant(s): Taketoshi TOYAMA et al.

For: AQUEOUS ALUMINUM BRAZING COMPOSITION, ALUMINUM MATERIAL  
COATED WITH THE BRAZING COMPOSITION, BRAZING METHOD  
USING THE ALUMINUM MATERIAL, AND AUTOMOTIVE HEAT  
EXCHANGER MANUFACTURED BY USING THE BRAZING METHOD

Serial No.: 10/517 291                      Group: 3753  
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Filed: September 9, 2005                      Examiner: Unknown  
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Atty. Docket No.: Fukuda 47

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED FILING RECEIPT**

Sir:

The pending Filing Receipt contains error(s).

Please see the attached red-corrected photocopy of the  
Filing Receipt and the high-lighted portions of the attached  
copy of the Declaration.

Respectfully submitted,

  
Terryence F. Chapman

TFC/alh

FLYNN, THIEL, BOUTELL	Dale H. Thiel	Reg. No. 24 323
& TANIS, P.C.	David G. Boutell	Reg. No. 25 072
2026 Rambling Road	Ronald J. Tanis	Reg. No. 22 724
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	Brian R. Tumm	Reg. No. 36 328
	Steven R. Thiel	Reg. No. 53 685
	Donald J. Wallace	Reg. No. 43 977
	Kevin L. Pontius	Reg. No. 37 512
	Sidney B. Williams, Jr.	Reg. No. 24 949

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/517,291	09/09/2005	3753	1080	Fukuda Case 47	1	10	1

23474

FLYNN THIEL BOUTELL & TANIS, P.C.  
2026 RAMBLING ROAD  
KALAMAZOO, MI 49008-1631

DHT \_\_\_\_\_ DGB \_\_\_\_\_ RIT \_\_\_\_\_  
TEG \_\_\_\_\_ MLM \_\_\_\_\_ LLC \_\_\_\_\_  
SRT \_\_\_\_\_ SRT \_\_\_\_\_ SBW \_\_\_\_\_

CONFIRMATION NO. 4471

## FILING RECEIPT



\*OC000000017845958\*

JAN 23 2006

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GMS \_\_\_\_\_ CMC \_\_\_\_\_ TLH \_\_\_\_\_  
FILE \_\_\_\_\_

Date Mailed: 01/18/2006

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## Applicant(s)

Taketoshi Toyama, Aichi, JAPAN;  
X Ryoichi Sanada, Aichi, JAPAN;  
Yoshiharu Hasegawa, Aichi, JAPAN;  
Yuji Hisatomi, Tokyo, JAPAN;  
Ichiro Taninaka, Hyogo, JAPAN;

--- Takashi Hatori, Aichi, JAPAN ---

Power of Attorney: The patent practitioners associated with Customer Number 23474.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/07604 06/16/2003

## Foreign Applications

JAPAN 2002-175318 06/17/2002

Projected Publication Date: 04/27/2006

Non-Publication Request: No

Early Publication Request: No

Title



Preliminary Class

165

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

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## Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書



下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

AQUEOUS ALUMINUM BRAZING COMPOSITION,  
ALUMINUM MATERIAL COATED WITH THE BRAZING  
COMPOSITION, BRAZING METHOD USING THE  
ALUMINUM MATERIAL, AND AUTOMOTIVE HEAT  
EXCHANGER MANUFACTURED BY USING THE  
BRAZING METHOD

上記発明の明細書（下記の欄でx印がついていない場合は、本書に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ 月 日に提出され、米国出願番号または特許協定条約国際出願番号を \_\_\_\_\_ とし、  
 （該当する場合） \_\_\_\_\_ に訂正されました。

☒ was filed on June 16, 2003  
 as United States Application Number or  
 PCT International Application Number  
PCT/JP03/07604 and was amended on  
 \_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Original

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## Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国外の国の少なくとも一カ国を指定している特許協力条約365(a)項に基づき国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

### Prior Foreign Application(s)

外国での先行出願

2002-175318

(Number)  
(番号)

Japan

(Country)  
(国名)

(Number)  
(番号)

(Country)  
(国名)

私は、第35編米国法典119条(e)項に基づいて下記の米国外特許出願規定に記載された権利をここに主張いたします。

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

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(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じることに基づき表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

優先権主張なし

17/June/2002

(Day/Month/Year Filed)  
(出願年月日)

☐

(Day/Month/Year Filed)  
(出願年月日)

☐

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)  
(出願番号)

(Filing Date)  
(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可済、係属中、放棄済)

(Status: Patented, Pending, Abandoned)  
(現況: 特許許可済、係属中、放棄済)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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## Japanese Language Declaration (日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。(弁理士、または代理人の氏名及び登録番号を明記のこと)

Dale H. Thiel, Reg. No. 24 323  
David G. Boutell, Reg. No. 25 072  
Ronald J. Tanis, Reg. No. 22 724  
Terryence F. Chapman, Reg. No. 32 549  
Mark L. Maki, Reg. No. 36 589

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

Donald J. Wallace, Reg. No. 43 977  
Sidney B. Williams, Jr., Reg. No. 24 949  
Liane L. Churney, Reg. No. 40 694  
Brian R. Tumm, Reg. No. 36 328  
Steven R. Thiel, Reg. No. 53 685

書類送付先

Send Correspondence to:

FLYNN, THIEL, BOUTELL & TANIS, P.C.  
2026 Rambling Road  
Kalamazoo, Michigan 49008-1631

直接電話連絡先: (名前及び電話番号)

Direct Telephone Calls to: (name and telephone number)

唯一または第一発明者名		Full name of sole or first inventor	
		Taketoshi Toyama	
発明者の署名	日付	Inventor's signature	Date
		<i>Taketoshi Toyama</i>	December 24, 2004
住所		Residence	
国籍		Citizenship	
		JAPAN	
私書箱		Post Office Address	
		DENSO CORPORATION	
		1-1, Showa-Cho, Kariya City, Aichi 448-8661 Japan	
第二共同発明者		Full name of second joint inventor, if any	
		Ryoichi Sanada	
第二共同発明者	日付	Second inventor's signature	Date
		<i>Ryoichi Sanada</i>	December 24, 2004
住所		Residence	
国籍		Citizenship	
		JAPAN	
私書箱		Post Office Address	
		DENSO CORPORATION	
		1-1, Showa-Cho, Kariya City, Aichi 448-8661 Japan	

(第三以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)



第三の共同発明者の氏名 (該当する場合)	Full name of third joint inventor(if any) Takashi Hatori
第三共同発明者の署名 日付	Third joint inventor's signature Date <i>Takashi Hatori</i> December 28, 2004
住所	Residence
国籍	Citizenship JAPAN
郵便の宛先	Post Office Address DENSO CORPORATION
	1-1, Showa-Cho, Kariya City, Aichi 448-8661 Japan
第四の共同発明者の氏名 (該当する場合)	Full name of fourth joint inventor(if any) Yoshiharu Hasegawa
第四共同発明者の署名 日付	Fourth joint inventor's signature Date <i>Yoshiharu Hasegawa</i> December 24, 2004
住所	Residence
国籍	Citizenship JAPAN
郵便の宛先	Post Office Address DENSO CORPORATION
	1-1, Showa-Cho, Kariya City, Aichi 448-8661 Japan

第五の共同発明者の氏名 (該当する場合)	Full name of fifth joint inventor(if any)
第五共同発明者の署名 日付	Fifth joint inventor's signature Date
住所	Residence
国籍	Citizenship
郵便の宛先	Post Office Address
第六の共同発明者の氏名 (該当する場合)	Full name of sixth joint inventor(if any)
第六共同発明者の署名 日付	Sixth joint inventor's signature Date
住所	Residence
国籍	Citizenship
郵便の宛先	Post Office Address

第三の共同発明者の氏名 (該当する場合)		Full name of third joint inventor(if any) Yuji Hisatomi	
第三共同発明者の署名	日付	Third joint inventor's signature Yuji Hisatomi	Date December 27, 2004
住所		Residence	
国籍		Citizenship JAPAN	
郵便の宛先		Post Office Address SUMITOMO LIGHT METAL INDUSTRIES,LTD. 5-11-3, Shinbashi, Minato-Ku, Tokyo 105-8601 Japan	
第四の共同発明者の氏名 (該当する場合)		Full name of fourth joint inventor(if any)	
第四共同発明者の署名	日付	Fourth joint inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

第五の共同発明者の氏名 (該当する場合)		Full name of fifth joint inventor(if any)	
第五共同発明者の署名	日付	Fifth joint inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	
第六の共同発明者の氏名 (該当する場合)		Full name of sixth joint inventor(if any)	
第六共同発明者の署名	日付	Sixth joint inventor's signature	Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

第三の共同発明者の氏名 (該当する場合)		Full name of third joint inventor(if any)	
第三共同発明者の署名		Ichiro Taninaka	
日付		Third joint inventor's signature	Date
		Ichiro Taninaka	December 20, 2004
住所		Residence	
国籍		Citizenship	
		JAPAN	
郵便の宛先		Post Office Address	
		HARIMA CHEMICALS, INC.	
		671-4 Mizuashi, Noguchi-Cho, Kakogawa City, Hyogo 675-0019 Japan	
第四の共同発明者の氏名 (該当する場合)		Full name of fourth joint inventor(if any)	
第四共同発明者の署名		Fourth joint inventor's signature	
日付			Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	

第五の共同発明者の氏名 (該当する場合)		Full name of fifth joint inventor(if any)	
第五共同発明者の署名		Fifth joint inventor's signature	
日付			Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	
第六の共同発明者の氏名 (該当する場合)		Full name of sixth joint inventor(if any)	
第六共同発明者の署名		Sixth joint inventor's signature	
日付			Date
住所		Residence	
国籍		Citizenship	
郵便の宛先		Post Office Address	